

(FILE 'USPAT' ENTERED AT 14:40:22 ON 02 SEP 1997)

L1 0 S CHIMERIC(W)OPIOID(W)RECEPTOR
L2 162 S OPIOID RECEPTOR
L3 152 S S2 AND (SCREENING OR IDENTIFY### OR DETECT###) (10A) (LI
GAN
L4 15 S L3 AND (AGONIST OR ANTAGONIST)
L5 13 S L2 AND (SCREENING OR IDENTIFY### OR DETECT###) (10A) (LIGA
ND
L6 0 S CHIMERIC(3A) (G(W)PROTEIN (W)COUPLED(W)RECEPTOR)

=> d 15 1-13

1. 5,658,783, Aug. 19, 1997, Mammalian methadone-specific **opioid receptor** gene and uses; David K. Grandy, et al., 435/325, 69.1, 252.3, 254.11, 320.1, 356, 361, 364, 365, 367; 536/23.5, 24.3 :IMAGE AVAILABLE:
2. 5,618,914, Apr. 8, 1997, Conformationally restricted mimetics of beta turns and beta bulges and peptides containing the same; Michael Kahn, 530/317 :IMAGE AVAILABLE:
3. 5,602,024, Feb. 11, 1997, DNA encoding a hypothalamic atypical neuropeptide Y/peptide YY receptor (Y5) and uses thereof; Christophe P. G. Gerald, et al., 435/325, 252.3, 254.11, 320.1, 348, 365, 369; 536/23.5 :IMAGE AVAILABLE:
4. 5,576,436, Nov. 19, 1996, Fluorescent ligands; R. Tyler McCabe, et al., 546/156; 548/126; 549/227, 283; 554/43; 564/86 :IMAGE AVAILABLE:
5. 5,545,549, Aug. 13, 1996, DNA encoding a human neuropeptide Y/peptide YY (Y2) receptor and uses thereof; Christophe Gerald, et al., 435/365, 69.1, 70.3, 71.2, 320.1, 369; 536/23.1, 23.5 :IMAGE AVAILABLE:
6. 5,506,231, Apr. 9, 1996, Treatment of aids dementia, myelopathy and blindness; Stuart A. Lipton, 514/289, 284, 647, 661, 662 :IMAGE AVAILABLE:
7. 5,475,085, Dec. 12, 1995, Conformationally restricted mimetics of beta turns and beta bulges and peptides containing the same; Michael Kahn, 530/317 :IMAGE AVAILABLE:
8. 5,440,013, Aug. 8, 1995, Conformationally restricted mimetics of beta turns and beta bulges and peptides containing the same; Michael Kahn, 530/317, 323, 333 :IMAGE AVAILABLE:
9. 5,432,018, Jul. 11, 1995, Peptide library and screening systems; William J. Dower, et al., 435/5, 69.1, 172.3, 235.1; 935/80, 81 :IMAGE AVAILABLE:
10. 5,352,680, Oct. 4, 1994, Delta **opioid receptor** antagonists to block opioid agonist tolerance and dependence; Philip S. Portoghese, et al., 514/279, 250, 282; 544/338; 546/36, 45 :IMAGE AVAILABLE:
11. 5,270,220, Dec. 14, 1993, Method and apparatus for detection of pregnancy in canids and equids; Terry J. Kreeger, et al., 436/510; 435/7.92, 7.93, 7.94, 7.95; 436/542 :IMAGE AVAILABLE:
12. 5,242,822, Sep. 7, 1993, Recombinant bacteria expressing functional R76 mammalian receptors on their surface; Stefano Marullo, et al.,

435/252.3, 69.1, 69.7, 320.1; 436/501 :IMAGE AVAILABLE:

13. 4,767,764, Aug. 30, 1988, Alkoxyalkyl and alkylmercaptoalkyl substituted bridged benzofuroisoquinolines having opioid antagonist and/or appetite-controlling properties; Engelbert Ciganek, 514/282; 544/44, 46 :IMAGE AVAILABLE:

Set	Items	Description
S1	0	CHIMERIC(W)OPIOID(W)RECEPTOR
S2	6	OPIOID(W)RECEPTOR(3N)MODIFIED
S3	0	CHIMERIC(3N)(G(W)PROTEIN(W)COUPLED(W)RECEPTOR)
S4	5	(SCREENING OR DETECT? OR IDENTIFY?)(5N)((LIGAND OR AGONIST OR ANTAGONIST)(3N)OPIOID(W)RECEPTOR)

? d s2/3/all

Display 2/3/1
 DIALOG(R)File 155:MEDLINE(R)
 (c) format only 1997 Knight-Ridder Info. All rts. reserv.

08913104 97122365
 The third extracellular loop of the human delta-opioid receptor determines the selectivity of delta-opioid agonists.
 Varga EV; Li X; Stropova D; Zalewska T; Landsman RS; Knapp RJ; Malatynska E; Kawai K; Mizusura A; Nagase H; Calderon SN; Rice K; Hruby VJ; Roeske WR; Yamamura HI
 Department of Pharmacology, The University of Arizona, College of Medicine, Tucson 85724, USA.
 Mol Pharmacol (UNITED STATES) Dec 1996, 50 (6) p1619-24, ISSN 0026-895X Journal Code: NGR
 Languages: ENGLISH
 Document type: JOURNAL ARTICLE

- end of record -

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Display 2/3/2
 DIALOG(R)File 155:MEDLINE(R)
 (c) format only 1997 Knight-Ridder Info. All rts. reserv.

08426324 96057145
 Electrophysiological demonstration and activation of mu-opioid receptors in the rabbit sinoatrial node.
 Saeki T; Nishimura M; Sato N; Fujinami T; Watanabe Y
 Cardiovascular Institute, Fujita Health University School of Medicine, Aichi, Japan.
 J Cardiovasc Pharmacol (UNITED STATES) Jul 1995, 26 (1) p160-8, ISSN 0160-2446 Journal Code: K78
 Languages: ENGLISH
 Document type: JOURNAL ARTICLE

- end of record -

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Display 2/3/3
 DIALOG(R)File 155:MEDLINE(R)
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07440082 91101036
 Dynorphin A-(1-17) induces alterations in free fatty acids, excitatory amino acids, and motor function through an opiate-receptor-mediated mechanism.
 Bakshi R; Newman AH; Faden AI
 Department of Neurology, University of California, San Francisco 94121.
 J Neurosci (UNITED STATES) Dec 1990, 10 (12) p3793-800, ISSN 0270-6474 Journal Code: JDF
 Contract/Grant No.: RO1 NS23422, NS, NINDS

Languages: ENGLISH
Document type: JOURNAL ARTICLE

- end of record -

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Display 2/3/4
DIALOG(R) File 155:MEDLINE(R)
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06253360 88318016
Opioid receptor types in the brain of the Afghan pika (*Ochotona rufescens*), a species which is naturally tolerant to morphine.
Farges RC; Puget A; Moisand C; Meunier JC
Laboratoire de Pharmacologie et de Toxicologie Fondamentales CNRS, Toulouse, France.
Life Sci (ENGLAND) 1988, 43 (8) p659-64, ISSN 0024-3205
Journal Code: L62
Languages: ENGLISH
Document type: JOURNAL ARTICLE

- end of record -

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Display 2/3/5
DIALOG(R) File 155:MEDLINE(R)
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05871592 90007851
Possible involvement of endogenous opioids in beta-cell hyperresponsiveness in human obesity.
Vettor R; Martini C; Cestaro S; Manno M; Siculo N; Federspil G
Institute of Semeiotica Medica, University of Padua, Italy.
Int J Obes (ENGLAND) 1989, 13 (4) p425-32, ISSN 0307-0565
Journal Code: GR9
Languages: ENGLISH
Document type: JOURNAL ARTICLE; REVIEW; REVIEW, TUTORIAL

- end of record -

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Display 2/3/6
DIALOG(R) File 155:MEDLINE(R)
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04876594 85257094
Dermorphin inhibits basal and cold induced thyrotropin secretion in rats.
Mitsuma T; Nogimori T; Chaya M
Endocrinol Exp (CZECHOSLOVAKIA) Jun 1985, 19 (2) p83-90, ISSN 0013-7200
Journal Code: EFZ
Languages: ENGLISH
Document type: JOURNAL ARTICLE

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? d s4/3/2

Display 4/3/2
DIALOG(R) File 155:MEDLINE(R)

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09066495 97238862

Novel "restoration of function" mutagenesis strategy to **identify**
amino acids of the delta-**opioid receptor** involved in
ligand binding.

Pepin MC; Yue SY; Roberts E; Wahlestedt C; Walker P

Astra Research Centre Montreal, Montreal, Quebec H4S 1Z9, Canada.

J Biol Chem (UNITED STATES) Apr 4 1997, 272 (14) p9260-7, ISSN
0021-9258 Journal Code: HIV

Languages: ENGLISH

Document type: JOURNAL ARTICLE

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S5 9 CHIMERIC(5N) (ADRENERGIC(W)RECEPTOR)
? d s5/3/all

Display 5/3/1 (Item 1 from file: 5)
DIALOG(R)File 5:BIOSIS PREVIEWS(R)
(c) 1997 BIOSIS. All rts. reserv.

13634427 BIOSIS Number: 99634427
Characterization of H2 receptor structural requirements for dual
signaling: Application of beta-2-H2 chimeric receptors
Wang L; Gantz I; Butler K; Hoeltzel M; Delvalle J
Dep. Internal Med., Univ. Mich. Med. Sch., Ann Arbor, MI, USA
Gastroenterology 112 (4 SUPPL.). 1997. A1198.
Full Journal Title: Digestive Disease Week and the 97th Annual Meeting
of the American Gastroenterological Association, Washington, D.C., USA, May
11-14, 1997. Gastroenterology
ISSN: 0016-5085
Language: ENGLISH
Document Type: CONFERENCE PAPER
Print Number: Biological Abstracts/RRM Vol. 049 Iss. 008 Ref. 140992

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Display 5/3/2 (Item 2 from file: 5)
DIALOG(R)File 5:BIOSIS PREVIEWS(R)
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13026630 BIOSIS Number: 99026630
New molecular and structural determinants involved in beta-2-%adrenergic%
%receptor% uncoupling and sequestration: Delineation using %chimeric%
beta-3-beta-2 adrenergic receptors
Jockers R; Dasilva A; Strosberg A D; Bouvier M; Marullo S
CNRS-UPR 0415, Univ. Paris VII, Inst. Cochin de Genetique Mol., 22 rue
Mechain, F-75014 Paris, France
Naunyn-Schmiedeberg's Archives of Pharmacology 353 (4 SUPPL.). 1996.
R14.
Full Journal Title: 37th Spring Meeting of the German Society for
Experimental and Clinical Pharmacology and Toxicology, Mainz, Germany,
March 12-14, 1996. Naunyn-Schmiedeberg's Archives of Pharmacology
ISSN: 0028-1298
Language: ENGLISH
Document Type: CONFERENCE PAPER
Print Number: Biological Abstracts/RRM Vol. 048 Iss. 007 Ref. 120366

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Display 5/3/3 (Item 3 from file: 5)
DIALOG(R)File 5:BIOSIS PREVIEWS(R)
(c) 1997 BIOSIS. All rts. reserv.

12195590 BIOSIS Number: 98795590
New molecular and structural determinants involved in BETA-2-%adrenergic%
%receptor% desensitization and sequestration. Delineation using %chimeric%
beta-3-beta-2-adrenergic receptors
Jockers R; Silva A D; Strosberg A D; Bouvier M; Marullo S
Dep. Biochimie, Univ. Montreal, 2900 Edouard-Montpetit, Case Postale
6128, Succursale Centre-Ville, Montreal, PQ H3C 3J7, Canada

Journal of Biological Chemistry 271 (16). 1996. 9355-9362.
Full Journal Title: Journal of Biological Chemistry
ISSN: 0021-9258
Language: ENGLISH
Print Number: Biological Abstracts Vol. 101 Iss. 011 Ref. 162782

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Display 5/3/4 (Item 4 from file: 5)
DIALOG(R)File 5:BIOSIS PREVIEWS(R)
(c) 1997 BIOSIS. All rts. reserv.

11617773 BIOSIS Number: 98217773
Carboxyl-terminal domains in the avian beta-1-adrenergic receptor that
regulate agonist-promoted endocytosis
Parker E M; Swigart P; Nunnally M H; Perkins J P; Ross E M
Dep. Pharmacol., Univ. Texas Southwestern Med. Cent., 5323 Harry Hines
Blvd., Dallas, TX 75235-9041, USA
Journal of Biological Chemistry 270 (12). 1995. 6482-6487.
Full Journal Title: Journal of Biological Chemistry
ISSN: 0021-9258
Language: ENGLISH
Print Number: Biological Abstracts Vol. 099 Iss. 010 Ref. 139949

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Display 5/3/5 (Item 5 from file: 5)
DIALOG(R)File 5:BIOSIS PREVIEWS(R)
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10419791 BIOSIS Number: 96019791
STRUCTURAL BASIS FOR RECEPTOR SUBTYPE-SPECIFIC REGULATION REVEALED BY A
%CHIMERIC% BETA-3-BETA-2-%ADRENERGIC% %RECEPTOR%
LIGGETT S B; FREEDMAN N J; SCHWINN D A; LEFKOWITZ R J
BOX 3821, DUKE UNIVERSITY MEDICAL CENTER, DURHAM, NC 27710.
PROC NATL ACAD SCI U S A 90 (8). 1993. 3665-3669. CODEN: PNASA
Full Journal Title: Proceedings of the National Academy of Sciences of
the United States of America
Language: ENGLISH

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Display 5/3/6 (Item 6 from file: 5)
DIALOG(R)File 5:BIOSIS PREVIEWS(R)
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9286499 BIOSIS Number: 43031499
STRUCTURAL BASIS FOR RECEPTOR SUBTYPE SPECIFIC DESENSITIZATION REVEALED
BY A %CHIMERIC% BETA-3-BETA-2-%ADRENERGIC% %RECEPTOR%
LIGGETT S B; SCHWINN D A; LEFKOWITZ R J
DEP. MED., DUKE UNIV., DURHAM, N.C.
THIRTY-SECOND ANNUAL MEETING OF THE AMERICAN SOCIETY FOR CLINICAL
NUTRITION, BALTIMORE, MARYLAND, USA, APRIL 30-MAY 2, 1992. CLIN RES 40 (2).
1992. 252A. CODEN: CLREA
Language: ENGLISH
Document Type: CONFERENCE PAPER

- end of record -

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Display 5/3/7 (Item 7 from file: 5)
DIALOG(R)File 5:BIOSIS PREVIEWS(R)

(c) 1997 BIOSIS. All rts. reserv.

7652600 BIOSIS Number: 90020600

SELECTIVE BINDING OF LIGANDS TO BETA-1 BETA-2 OR CHIMERIC
BETA-1-BETA-2-ADRENERGIC RECEPTORS INVOLVES MULTIPLE SUBSITES
MARULLO S; EMORINE L J; STROSBURG A D; DELAVIER-KLUTCHKO C
LAB. BIOL. MOLECULAIRE RECEPTEURS, CNRS, UNIV. PARIS VII, INST. PASTEUR,
25 RUE DU DOCTEUR ROUX, 75724 PARIS CEDEX 15, FR.

EMBO (EUR MOL BIOL ORGAN) J 9 (5). 1990. 1471-1476. CODEN: EMJOD

Full Journal Title: EMBO (European Molecular Biology Organization)
Journal

Language: ENGLISH

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Display 5/3/8 (Item 8 from file: 5)

DIALOG(R)File 5:BIOSIS PREVIEWS(R)

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6998486 BIOSIS Number: 87059007

STRUCTURAL BASIS OF BETA-%ADRENERGIC% %RECEPTOR% SUBTYPE SPECIFICITY
STUDIED WITH %CHIMERIC% BETA-1-BETA-2-ADRENERGIC RECEPTORS

FRIELLE T; DANIEL K W; CARON M G; LEFKOWITZ R J

DEP. MED., HOWARD HUGHES MED. INST., DUKE UNIV. MED. CENTER, DURHAM, NC
27710.

PROC NATL ACAD SCI U S A 85 (24). 1988. 9494-9498. CODEN: PNAS

Full Journal Title: Proceedings of the National Academy of Sciences of
the United States of America

Language: ENGLISH

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Display 5/3/9 (Item 9 from file: 5)

DIALOG(R)File 5:BIOSIS PREVIEWS(R)

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6580814 BIOSIS Number: 86047365

CHIMERIC ALPHA-2 BETA-2-ADRENERGIC RECEPTORS DELINEATION OF DOMAINS
INVOLVED IN EFFECTOR COUPLING AND LIGAND BINDING SPECIFICITY

KOBILKA B K; KOBILKA T S; DANIEL K; REGAN J W; CARON M G; LEFKOWITZ R J

HOWARD HUGHES MED. INST., DEP. MED., DUKE UNIV. MED. CENT., DURHAM, N.C.
27710.

SCIENCE (WASHINGTON D C) 240 (4857). 1988. 1310-1316. CODEN: SCIEA

Full Journal Title: SCIENCE (Washington D C)

Language: ENGLISH

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